



# FULBRIGHT & JAWORSKI L.L.P.

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February 25, 2004

## CERTIFICATE OF MAILING 37 C.F.R 1.8

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February 25, 2004

Date

Michael C. Barrett

**MS DD**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

RE: *U.S. Patent Application No. 10/693,656 entitled "AN ASSOCIATIVE ANALYSIS OF GENE EXPRESSION ARRAY DATA" – Igor Dozmorov and Michael Centola*  
*Our reference: OMRF:013US*  
*Client reference: 2002-001-002*

Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references C1-C15.

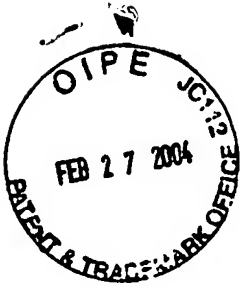
No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/OMRF:013US.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

Michael C. Barrett  
Reg. No. 44,523

MCB/kmv  
Encl.: as noted



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Igor Dozmorov  
Michael Centola

Serial No.: 10/693,656

Filed: October 24, 2003

For: AN ASSOCIATIVE ANALYSIS OF GENE  
EXPRESSION ARRAY DATA

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: OMRP:013US

CERTIFICATE OF MAILING  
37 C.F.R. 1.8

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February 25, 2004  
Date

*Michael C. Barrett*  
Michael C. Barrett

**INFORMATION DISCLOSURE STATEMENT**

**MS DD**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/OMRF:013US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Michael C. Barrett  
Reg. No. 44,523  
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.  
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Date: February 25, 2004

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

OMRF:013US

10/693,656

List of Patents and Publications for Applicant's

Applicant

Igor Dozmorov

Michael Centola

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

October 24, 2003

Group:

Unknown

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

## U.S. Patent Documents

| Exam.<br>Init. | Ref.<br>Des. | Document<br>Number | Date | Name | Class | Sub<br>Class | Filing Date of<br>App. |
|----------------|--------------|--------------------|------|------|-------|--------------|------------------------|
|                |              |                    |      |      |       |              |                        |

## Foreign Patent Documents

| Exam.<br>Init. | Ref.<br>Des. | Document<br>Number | Date | Country | Class | Sub<br>Class | Translation<br>Yes/No |
|----------------|--------------|--------------------|------|---------|-------|--------------|-----------------------|
|                |              |                    |      |         |       |              |                       |

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam.<br>Init. | Ref.<br>Des. | Citation  |
|----------------|--------------|---|
|                | C1           | Clontech Atlas CDNA expression arrays user manual. PT3140-1, October 2000.  |
|                | C2           | Dozmorov <i>et al.</i> , "Array-based expression analysis of mouse liver genes: effect of age and of the longevity mutant Prop1df," <i>J. Gerontol.</i> , 56A(2): B72-B80, 2001.  |
|                | C3           | Dozmorov <i>et al.</i> , "Gene expression profile of long-lived Snell dwarf mice," <i>J. Gerontol.</i> , 57A(3): B1-B10, 2002.  |
|                | C4           | Glynn <i>et al.</i> , "Genomic-scale gene expression analysis of lymphocyte growth, tolerance and malignancy," <i>Curr. Opin. Immunol.</i> , 12(2):210-214, 2000.   |
|                | C5           | Kerr <i>et al.</i> , "Analysis of variance for gene expression microarray data," <i>J. Comput. Biol.</i> , 7(6):819-837, 2000.  |
|                | C6           | Khan <i>et al.</i> , "Classification and diagnostic prediction of cancers using gene expression profiling and artificial neural networks," <i>Nature Med.</i> , 7(6):673-679, 2001.                                       |
|                | C7           | Lee <i>et al.</i> , "Importance of replication in microarray gene expression studies: statistical methods and evidence from repetitive cDNA hybridizations," <i>Proc. Natl. Acad. Sci., USA</i> , 97(18):9834-9839, 2000. |
|                | C8           | Miller <i>et al.</i> , "Interpretation, design and analysis of gene array expression experiments," <i>J. Gerontol.</i> , 56A(2): B52-B57, 2001.   |
|                | C9           | Newton <i>et al.</i> , "On differential variability of expression ratios: improving statistical inference about gene expression changes from microarray data," <i>J. Comput. Biol.</i> , 8(1):37-52, 2001.                |

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)

Atty. Docket No.

OMRF:013US

Serial No.

10/693,656

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant

Igor Dozmorov

Michael Centola

Filing Date:

October 24, 2003

Group:

Unknown

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

| Exam.<br>Init. | Ref.<br>Des. | Citation   |
|----------------|--------------|--|
|                | C10          | Pfaffle <i>et al.</i> , "Combined pituitary hormone deficiency: role of Pit-1 and Prop-1," <i>Acta Paediatr. Suppl.</i> , 433(88):33-41, 1999.                                     |
|                | C11          | Rock and Durbin, "A model for measurement error for gene expression analysis," <i>J. Comput. Biol.</i> , 8(6):557-569, 2001.   |
|                | C12          | Wittes and Friedman, "Searching for evidence of altered gene expression: a comment on statistical analysis of microarray data," <i>J. Nat. Cancer Inst.</i> , 91(5):400-401, 1999. |
|                | C13          | Wu, "Analyzing gene expression data from DNA microarrays to identify candidate genes," <i>J. Pathol.</i> , 195(1):53-65, 2001.   |
|                | C14          | Yang <i>et al.</i> , "A statistical method for flagging weak spots improves normalization and ratio estimates in microarrays," <i>Physiol. Genomics</i> , 7(1):45-53, 2001.        |
|                | C15          | Zien <i>et al.</i> , "Centralization: a new method for the normalization of gene expression data," <i>Bioinformatics</i> , 17(supp 1):1-9, 2001.                                   |

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)